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MINERALS PROGRAM
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DEC 04 1989

Redmond, Utah
Nov. 27, 1989

DIVISION OF
OIL, GAS & MINING

Department of Natural Resources,
Division of Oil, Gas, and Mining.

Dear Sirs,

In response to your letter of November 21, 1989, concerning deficiencies in our notice of intent, submitted September 13, 1989, I am enclosing two maps which is the best we can do. We feel that many of the items you checked, requesting additional information do not apply to our operation, and others cannot be complied with without the employment of professional help and considerable cost. If you want to hire an engineering firm to search out additional information with maps, drawings, etc., you may do so, but we cannot afford it. We are a small business and are having difficulty in keeping our business going. Government regulations and high taxes are about to destroy us.

Attached are copies of your letter with comments in the margin. I trust that this will be sufficient.

I can see where the government needs rules and regulations to control mining operations of public lands, but to apply them to us is unjust, burdensome and unnecessary. Our entire operation is on privately owned land. We are a small family corporation and plan to stay that way for the next 100 years or more. We are three miles from the nearest town or highway. There is no way in which our operation can change the environment or affect the area. We see no need to return any uncovered or mining area to its original condition as our mining areas are inexhaustible and will never be abandoned. We have no erosion problem and the original ground was void of vegetation or else was covered with June grass, Russian thistle and Halogetin.

I trust you will accept this explanation and not continue with such unreasonable requests.

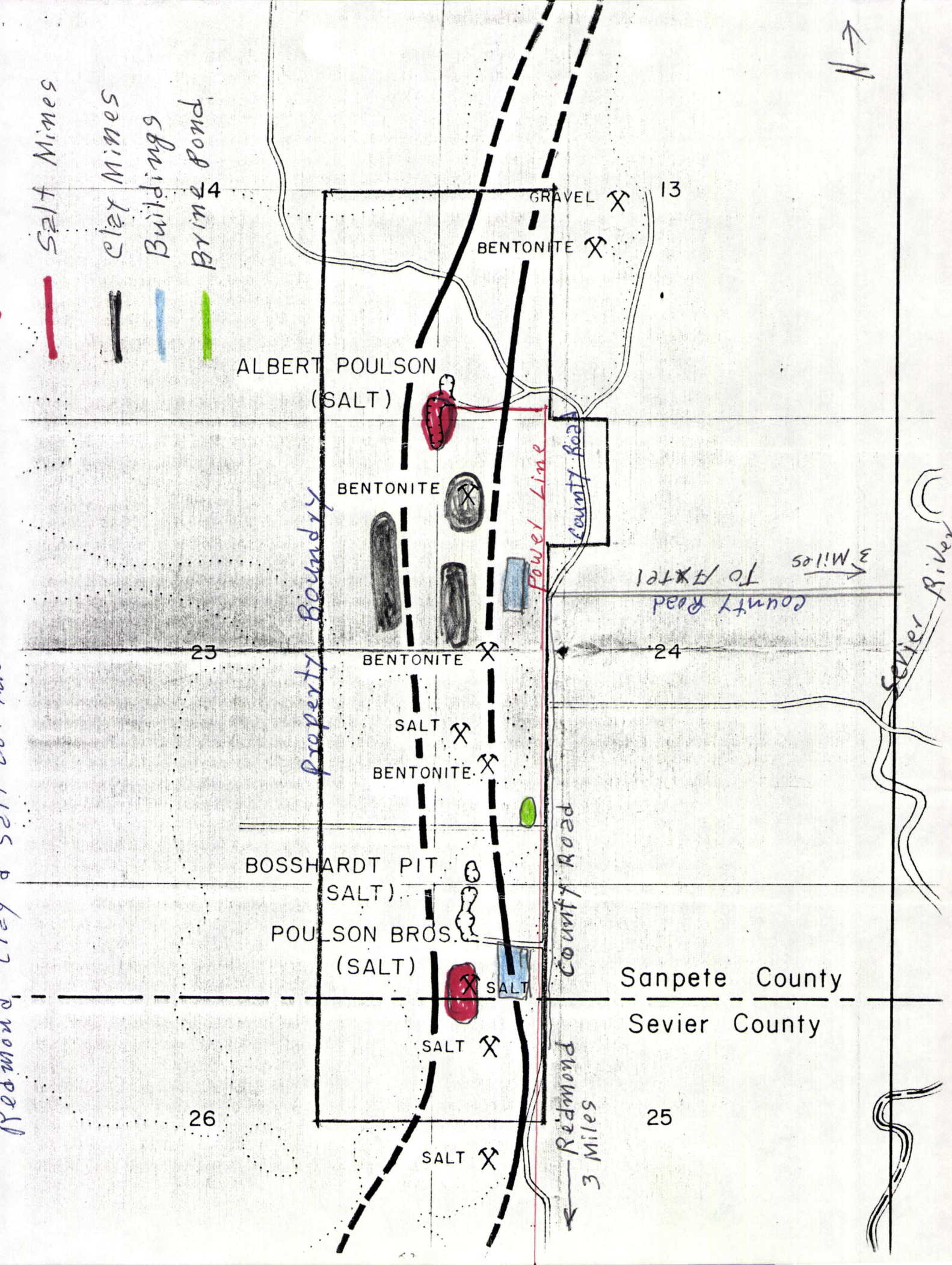
Sincerely yours,

Milo J. Bossha

Milo J. Bossha rdt

Redmond Clay & Sell Co. Inc.

- Salt Mines
- clay Mines
- Buildings
- Brine Pond



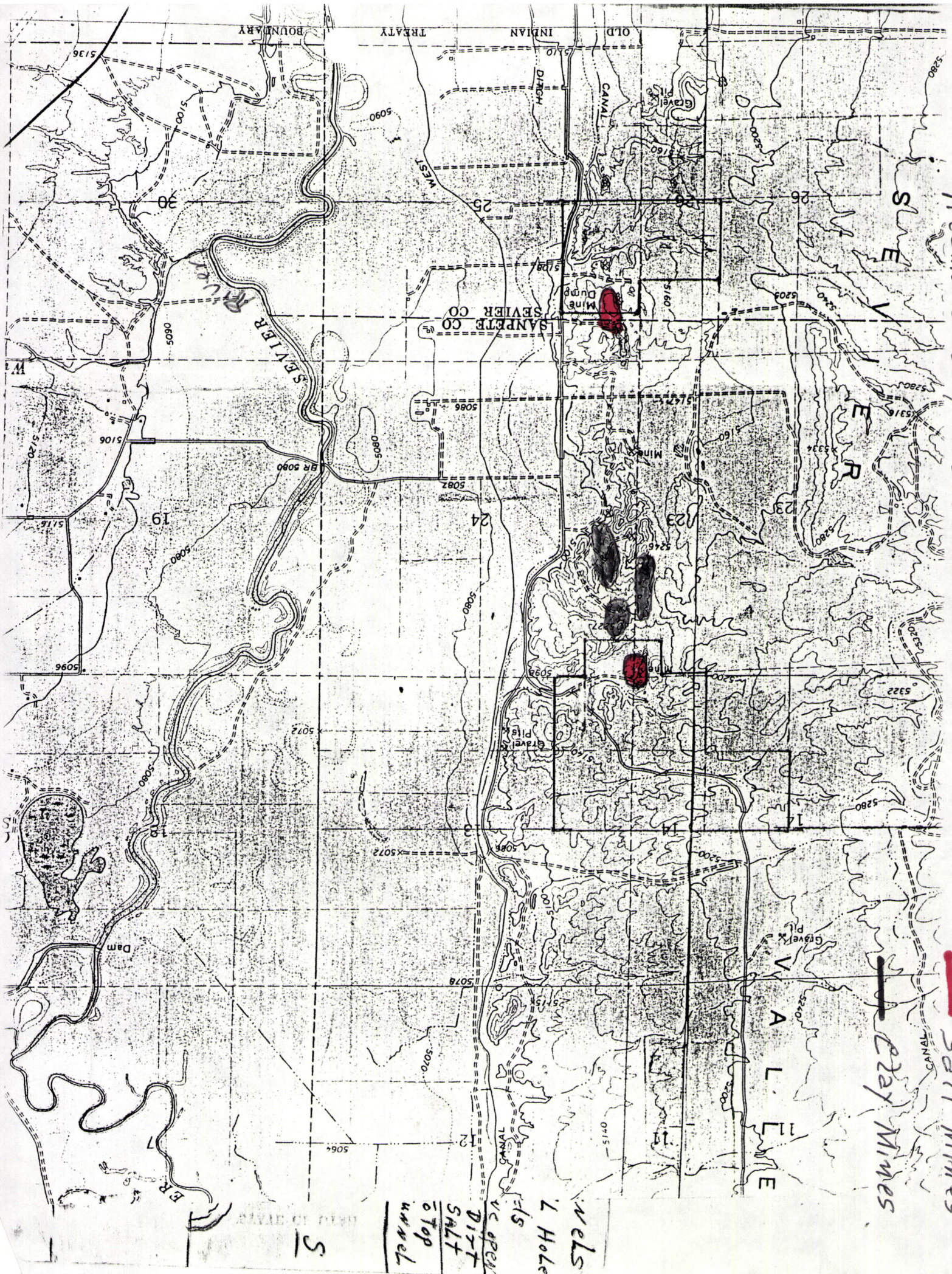
Sanpete County
Sevier County

← Redmond
3 Miles

County Road
3 Miles
To Hotel

Redmond Clay + Salt Co. Inc.

Salt Mines
Clay Mines



L. Hole
VC OPEN
DITCH
SALT
TOP
unwel

<u>Rule #</u>	<u>Subject</u>
R613-004-104	Operator(s), Surface and Mineral Owner(s)
R613-004-105	Maps, Drawings and Photographs
R613-004-106	Operation Plan
R613-004-108	Hole Plugging Requirements
R613-004-109	Impact Assessment
R613-004-110	Reclamation Plan
R613-004-112	Variance

R613-004-104. Operator(s), Surface and Mineral Owner(s).

1. The name, permanent mailing address, and telephone number of the operator responsible for the mining operations and reclamation of the site.
2. The name, permanent mailing address, and telephone number of the surface landowner(s) and mineral owner(s) of all land to be affected by the operations.
3. The federal mining claim number(s), lease number(s), or permit number(s) of any mining claims, or federal or state leases or permits included in the lands affected.

R613-004-105. Maps, Drawings and Photographs.

1. A topographic base map must be submitted with the notice of intention. The scale should be approximately 1 inch = 2,000 feet, preferably a USGS 7.5 minute series or equivalent topographic map where available. The following information shall be included on the map: *see enclosed Map.*
 - 1.11. Property boundaries of surface ownership of all lands which are to be affected by the mining operations. *see Map.*
 - 1.12. Perennial streams, springs and other bodies of water, roads, buildings, landing strips, electrical transmission lines, water wells, oil and gas pipelines, existing wells, boreholes, or other existing surface or subsurface facilities within 500 feet of the proposed mining operations. *✓ see Map*
 - 1.13. Proposed route of access to the mining operations from nearest publicly maintained highway. The map scale will be appropriate to show access. *✓ see Map.*
 - 1.14. Known areas which have been previously impacted by mining or exploration activities within the proposed disturbed area. *✓ Most of the Area*
2. A surface facilities map shall be provided at a scale of approximately 1" = 500'. The following information shall be included on the surface facilities map: *✓*
 - 2.11. Proposed surface facilities, including but not limited to buildings, stationary mining/processing equipment, roads, utilities, power lines, proposed drainage control structures, and, the location of topsoil storage areas, tailings or processed waste facilities, disposal areas for overburden, solid and liquid wastes and wastewater discharge treatment and containment facilities; and *✓ see Map.*

API Class A or H cement with additives as needed. It should weigh at least 13.5 lbs./gal., and be placed under the supervision of a person qualified in proper drill hole cementing of artesian flow. Artesian bore holes must be plugged in the described manner, prior to removal of the drilling equipment from the well site. If the surface owner of the land affected desires to convert an artesian drill hole to a water well, he must notify the Division in writing that he accepts responsibility for the ultimate plugging of the drill hole.

- 2.12. Holes that encounter significant amounts of nonartesian water shall be plugged by:

2.12.111 Placing a 50 foot cement plug immediately above and below the aquifer(s); or

2.12.112 Filling from the bottom up (through the drill stem) with a high grade bentonite/water slurry mixture. The slurry shall have a Marsh funnel viscosity of at least 50 seconds per quart prior to the adding of any cuttings.

R613-004-109. Impact Assessment.

The operator shall provide a general narrative description identifying potential surface and/or subsurface impacts. This description will include, at a minimum:

1. Projected impacts to surface and groundwater systems; ✓ None
2. Potential impacts to state and federal threatened and endangered species or their critical habitats; ✓ None.
3. Projected impacts of the mining operation on existing soil resources; ✓ None
4. Projected impacts of mining operations on slope stability, erosion control, air quality, and public health and safety; and ✓ None
5. Actions which are proposed to mitigate any of the above referenced impacts. ✓

R613-004-110. Reclamation Plan.

Each notice of intention shall include a reclamation plan, including maps or drawings as necessary, consisting of a narrative description of the proposed reclamation including, but not limited to:

1. A statement of the current land use and the proposed postmining land use for the disturbed area; ✓ None
2. A description of the manner and the extent to which roads, highwalls, slopes, impoundments, drainages, pits and ponds, piles, shafts and adits, drill holes, and similar structures will be reclaimed; ✓ See Letter
3. A detailed description of any surface facilities to be left as part of the postmining land use, including but not limited to buildings, utilities, roads, pads, ponds, pits and surface equipment; ✓ See Letter

3. Estimated acreages proposed to be disturbed and/or reclaimed annually or sequentially; *Unknown*
4. A description of the nature of the materials to be mined or processed including waste/overburden materials and the estimated annual tonnages of ore and waste materials to be mined; *70,000 Silt
15000 Bentonite*
5. A description of existing soil types, including the location and extent of topsoil or suitable plant growth material. If no suitable soil material exists, an explanation of the conditions shall be given; *see Letter*
6. A description of the plan for protecting and redepositing existing soils; *unnecessary*
7. A description of existing vegetative communities and cover levels, sufficient to establish revegetation success standards in accordance with Rule R613-004-111; *see Letter*
8. Depth to groundwater, extent of overburden material and geologic setting; and *unknown*
9. Proposed location and size of ore and waste stockpiles, tailings facilities and water storage/treatment ponds. ✓

R613-004-107. Operation Practices.

During operations, the operator shall conform to the following practices unless the Division grants a variance in writing:

1. Public Safety and Welfare - The operator shall minimize hazards to the public safety and welfare during operations. Methods to minimize hazards shall include but not be limited to:
 - 1.11. The closing or guarding of shafts and tunnels to prevent unauthorized or accidental entry in accordance with MSHA regulations;
 - 1.12. The disposal of trash, scrap metal and wood, and extraneous debris;
 - 1.13. The plugging or capping of drill, core, or other exploratory holes as set forth in Rule R613-004-108;
 - 1.14. The posting of appropriate warning signs in locations where public access to operations is readily available; and
 - 1.15. The construction of berms, fences and/or barriers above highwalls or other excavations when required by the Division.
2. Drainages - If natural channels are to be affected by the mining operation, then the operator shall take appropriate measures to avoid or minimize environmental damage.
3. Erosion Control - Operations shall be conducted in a manner such that sediment from disturbed areas is adequately controlled. The degree of erosion control shall be appropriate for the site-specific and regional conditions of topography, soil, drainage, water quality or other characteristics.